

31. *ACANTHOSPERMUM AUSTRALE* (LOEFL.) KTZE. A NEW DISTRIBUTIONAL RECORD FOR THE PLAINS OF PUNJAB

Recently in August 1972 we collected specimens of *Acanthospermum australe* (Loefl.) Ktze. (= *A. hispidum* DC.) (Compositae) from Chandigarh growing along road sides in Madhya Marg, Sector 17. This species has not been reported from Punjab by earlier workers (Parkar 1924; Sharma & Sharma 1966), and thus seems to be a recent introduction.

DEPT. OF BOTANY,
MEERUT COLLEGE,
MEERUT, U.P.,
January 17, 1974.

It is a native of South America and was reported from South India by Mayurnathan (Mayurnathan 1939). Since then it has spread fast and was subsequently reported from several parts of Madhya Pradesh, Rajasthan and the Plains of Uttar Pradesh (Raizada & Sharma 1962). Recently it has also been reported from Almora (Singh 1973).

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32. *PTERIS TREMULA* R. BR.—A NEW RECORD FOR INDIA

While examining the herbarium specimens of the genus *Pteris* housed in the Cryptogamic Unit of the Botanical Survey of India, Calcutta, we came across a specimen which did not fit in with any of the species of the genus so far described from India. On closer scrutiny and comparison with specimens from New Zealand and Australia kept in the Central National Herbarium, Sibpur, it was confirmed that this specimen is *Pteris tremula* R. Br. which is a native of Australia, Tasmania and New Zealand. As this is a new record for India, it is described.

Pteris tremula R. Br. Prodr. Fl. N. Holl. 154, 1810; Agardh, Recens. Pterid. 40, 1839; Hook. Sp. Fil. 2:174, t. 120B, 1858; Hook. et Baker, Syn. Fil. 161, 1874; Christ, Farnkr. 169, 1897; Diels, in Engl. et Prantl, naturl. Pflanzenfam. 293, 1899; C. Christens. Ind. Fil. 608, 1906; Rosenb. Mal. Ferns All. Suppl. 1:251, 1916. *P. affinis* Rich. in Bot. Astrol. 81, 1832; A. Cunn. in Hook. Comp. Bot. Mag. 2:365, 1836. *P. kingiana* Endl. Prodr. Fl. Norf. 13, 1833. *P. chrysocarpa* Link. Hort. Berol. 2:33, 1833. *P. tenuis* A. Cunn. in Hook. Comp. Bot. Mag. 2:365, 1836.

Stipes 30-35 cm long, hard, erect, glabrous, glossy, chestnut brown. Fronds (excluding stipe) 30-40 cm long, 15-25 cm broad, 2-3 pinnate, upper pinna sessile, lower pinna petiolate, length of petiole 0.3 cm to 1 cm; pinnae 0.5 cm to 3.5 cm × 3.5 cm to 11 cm; terminal pinna has linear closely placed lobes with decurrent base; costa mostly grooved on the lower surface; pinnule 2 mm to 2.5 mm ×

6 mm to 4 cm, subcoreaceous, apex acute or rounded, margin dentato-crenate, sinus less than 1 mm, base decurrent; rachis glabrous; veins once or rarely twice forked, prominent on the lower surface; sorus continuous along the margin of the pinnule except the apex.

Specimen examined.—Hansden, Shevroy Hills (Tamil Nadu), *J. Ghatak* E112 (June 18, 1961), under shade by a stream.

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76 ACHARYA JAGDISH BOSE ROAD,
CALCUTTA 14,
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33. SOME NEW RECORDS OF PLANTS FROM LUCKNOW DISTRICT (U.P.)

While undertaking intensive plant collections in the district, I came across 14 species of Angiosperms and 13 species of Pteridophytes, which have not been previously recorded in any of the published accounts of the flora of the district. The specimens are deposited in the Herbarium of Botany department, B.S.N.V. Degree College, Lucknow. The Angiospermic taxa along with their localities are given below.

MALVACEAE

Abutilon asiaticum G. Don (= *Sida asiatica* Linn.)

Common near Moosa Bagh forest and along Lucknow-Barabanki road near Chinhat.

Sida ovata Forsk. (= *S. grewioides* Guill. & Perr.)

On the boundary of the fields along Lucknow-Kursi road.

SAPINDACEAE

Cupania fuscidula Kurz

Along the sides of Lucknow-Sitapur road.

C. pleuropteris Blume

Along the sides of Lucknow-Sitapur road.

FABACEAE

(PAPILIONACEAE)

Crotalaria bialata Schrank (= *C. alata* Buch.-Ham. ex D. Don)

Very common in the fields of Rahimabad and uncommon in Kukrail forest.

C. notonii W. & A. (= *C. trifolium* Wall., *C. rostrata* W. & A.)

Kukrail forest and Mohanlalganj.

CAESALPINIACEAE

Cassia italica (Mill.) Lamk. ex Ander. (= *C. obtusa* Roxb.)

Near La Martiniere College and on the sides of Lucknow-Sitapur road.